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**EC/EDI Road Map - Stop #3 - ANSI X12**

... The Federal Government has endorsed the use of **ANSI X12** standards for EC/EDI with the US Government through Federal Information Processing Standards (FIPS ...  
[visidel.cau.edu/HECI/Html/TrainingTool/stp004a.html](http://visidel.cau.edu/HECI/Html/TrainingTool/stp004a.html) - 6k -  
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**ANSI X12 from FOLDOC**

... Standards defining the structure, format, and content of business transactions conducted through Electronic Data Interchange (EDI). **ANSI X12** is produced by the ...  
[www.usefulcontent.org/foldoc/foldoc.cgi?ANSI+X12](http://www.usefulcontent.org/foldoc/foldoc.cgi?ANSI+X12) - 4k -  
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**[PPT] Ingen bildrubrik**

File Format: Microsoft Powerpoint 97 - View as HTML  
... UN/EDIFACT. **ANSI X12**. GTDI. UN/EDIFACT. UNICORN. UIC 917. But still a limited number of variants. Edifact-based EDI by end of 90's. Full range of Edifact messages ...  
[www.gea.nu/ppt/xml-edi/GM%20Introduction.ppt](http://www.gea.nu/ppt/xml-edi/GM%20Introduction.ppt) - Supplemental Result - [Similar pages](#)

**[PPT] Current DEP EC Activities**

File Format: Microsoft Powerpoint 97 - View as HTML  
... Security. Complexity. DMR Automation. **ANSI X12** 179 Transaction.  
... Storage. Send Document  
(s) (Reports,, Permits, etc.) via EDI, Internet, UDF, or Other to DEP. ...

[www.dep.state.pa.us/dep/deputate/oit/ec/information/ppt/year2000/Tempe516.ppt](http://www.dep.state.pa.us/dep/deputate/oit/ec/information/ppt/year2000/Tempe516.ppt) - Supplemental Result - [Similar pages](#)

**[PPT] Pennsylvania DEP Electronic Commerce Initiative**

File Format: Microsoft Powerpoint 95 - View as HTML  
... DEP - Offices/Bureaus. Other PA Agencies. US EPA. EDI. HTML. JAVA. XML. **ANSI X12**. ODBC. HTTP. Electronic Commerce. EC - Bringing Together Information. FTP. E-MAIL ...  
[www.dep.state.pa.us/dep/deputate/oit/ec/information/ppt/year2000/ecpower.ppt](http://www.dep.state.pa.us/dep/deputate/oit/ec/information/ppt/year2000/ecpower.ppt) - Supplemental Result - [Similar pages](#)

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**EDI Tools for Programmers**

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[www.edidev.com](http://www.edidev.com)

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[www.CovalentWorks.com](http://www.CovalentWorks.com)

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[www.openstrategies.biz](http://www.openstrategies.biz)

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## Electronic Commerce Standards Set

... Web-based EDI includes EDI standard transaction codes (**ANSI X12**) but is routed over the World Wide Web. Clients may access state ...  
[www.state.nm.us/gsd/isd/bitt\\_news/bn199803/bn199803\\_9.html](http://www.state.nm.us/gsd/isd/bitt_news/bn199803/bn199803_9.html) - 6k - Supplemental Result - Cached - [Similar pages](#)

## [PDF] Arizona Implementation Guidelines for ANSI ASC X12 EDI Ver/Rel ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)  
... 1 DRAFT Ver/Rel 004010 08/03/99 Arizona Implementation Guidelines for **ANSI ASC X12 EDI** Ver/Rel 004010 867 - Meter Data Exchange VERSION: 1.0.4 Proposed final ...  
[www.cc.state.az.us/utility/electric/minutes/a1az867.pdf](http://www.cc.state.az.us/utility/electric/minutes/a1az867.pdf) - Supplemental Result - [Similar pages](#)

## tips4

... released in the 1970's such as the Navy's system which is based on **ANSI X12** version 2003. Softshare keeps all dictionaries programmed into EDI Link for ...  
[www.softshare.com/tips/1997/tips4.html](http://www.softshare.com/tips/1997/tips4.html) - 6k - Supplemental Result - Cached - [Similar pages](#)

## Joseph McDonald - Result Oriented Computer Software Developer ...

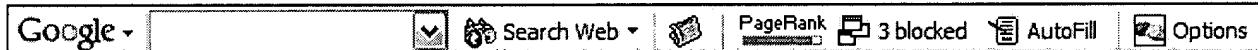
... INDEPENDENT CONSULTANT, 1996-1998. Developed EDI maps using Sterling Gentran software. Mapped the **ANSI X12**, 833, 200, transaction sets in a Unix environment. ...  
[home.san.rr.com/main/jm/jmresume3.html](http://home.san.rr.com/main/jm/jmresume3.html) - 22k - Supplemental Result - Cached - [Similar pages](#)

## [PDF] e-Commerce Technologies

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... Data stream TCP/IP VANs (Leased lines) **ANSI X12 UN**, EDIFACT, RosettaNet, EDI/XML, ebXML, FPML, Biztalk, etc. **ANSI X12 UN** EDIFACT Processes Transactions- focus ...  
[www.cis.gsu.edu/~dstraub/ExecutiveEducation/GSUJan2001/Tech.pdf](http://www.cis.gsu.edu/~dstraub/ExecutiveEducation/GSUJan2001/Tech.pdf) - Supplemental Result - [Similar pages](#)

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# What is EDI?

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ELECTRONIC DATA INTERCHANGE is the inter-organizational, computer-to-computer exchange of business documentation in a standard, machine-processable format.

## Inter-organizational

- EDI happens between companies, governments, etc.
- It is cross-enterprise.

## Computer-to-Computer

- EDI happens between computers.
- EDI does not eliminate paper, rather it eliminates the time and data entry associated with transferring information.

## Business Documentation

- The purpose of EDI is to improve the flow and management of business information.

## Standard Machine-Processable Format

- Because EDI is computer-to-computer communication rather than person-to-person communication, the data exchanged must be in some pre-established, structured format that allows the data to be read and understood by the computer without human interpretation.

# Components of EDI

THERE ARE THREE components of EDI that make it different from other forms of electronic messaging:

- standards,
- software, and
- communications capability.

While strategically EDI is a new way of doing business, operationally EDI is very similar in many respects to paper-based systems. For example, you need to send a business letter to a trading partner in Germany. Most likely you would need:

- a letter written in generally accepted business format,
- translation capability from English to German, and
- a mail service or other method of transmission.

To send or receive an EDI message, you need exactly the same three elements:

- a generally accepted business format, *EDI Standards*,

- translation capability, *EDI Software*, and
- a mail service, *Value-Added Network ("VAN")*.

## Standards

EDI standards are agreements on how data is to be structured for electronic communications.

These standards provide formatting rules for creating an electronic message. There are basically two standards:

1. ANSI ASC X-12 this is the most commonly used EDI standard in North America.
2. UN/EDIFACT this is the international standard in common use in Europe and Asia.

## Software

While standards establish the proper format for an electronic message, the software translates the data into that format, from company-specific arrangements to the standard arrangement.

## Value-Added Network (VAN)

Once the message has been created and is in the proper format, it is then ready to be transmitted. In EDI, the transmission can occur two ways:

1. a direct connection via modems between the sender's computer and the receiver's computer.
2. a direct connection via modem to a VAN which serves as an electronic post office.

The first option is not the accepted business practice as it limits the use of EDI to one trading partner or requires multiple data circuits to multiple trading partners. It also poses data security questions with each partner having direct access to the other's computers.

A VAN is the accepted transmission mechanism. With a VAN, the sender relays an electronic message to the VAN which either relays the message to the receiver or holds it for later pickup.

